Internationalization of Informatics Education

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Internationalization

Too few informatics students graduating to satisfy job market

Cannot fill our own jobs

Gives a need to attract from elsewhere

Do not expect financial gain
PhD students

- At most Dutch universities: 4 year jobs
- In informatics: more than half from other countries, with Master degree
PDEng students

• 3TU has 11 programmes

• 2 year jobs, ‘super-engineer’

• 3 in IT domain: USI, ICT and Software Technology

• More than 75% foreign, with Master degree
Bachelor Master

• Most Dutch informatics master programmes are 2 year

• Many English language enabling internationalization

• Open website

• Set up scholarship programme paid for by local industry: TU/e scholarship foundation
Partner Universities

• Search for preferred partners

• India is important in software
Indian universities and institutes

- IIT Delhi
- Bombay
- Guwahati
- IIIT Hyderabad
- Bangalore
- IISc Bangalore
- TIFR Mumbai
- Manipal University
- Vellore IT
Manipal University

- Medical
- MIT
- Private
Dual degree program

- M.Tech. Software Engineering MU
- M.Sc. Computer Science and Engineering TU/e
- First year Manipal, second Eindhoven, plus three year contract in industry
First batch

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Companies

- Philips
- Capgemini
- Cordys
- ASML
- Océ
Key Points

• For companies: skilled personnel knowing both cultures

• For MU: status, upgrade

• For TU/e: more students, internationalization
Universities in India

- Comparable to Europe
- A bit old-fashioned
- Not so much contact with industry
- Most Bachelors go to industry through campus placement, to TCS Infosys Wipro etc.
- Selection at all levels through tests (GATE), fixed quota
Student teacher

- Work hard, not much free time
- Campus with all facilities
- Authority but interaction
- Teachers also go to industry
Other remarks

- Family ties
- Solution driven, follow recipe, precise
- Salaries in software industry are high
Conclusion

- Europe can take part of the outflow of students from developing countries to USA
- This takes long-term investment
- In an outsourcing relation, professionals who know both cultures are important